8	emulate a first body in a three-dimensional virtual world by changing one or more
9	attributes of a first cursor, wherein the first cursor comprises a first plurality of
10	nodes configured as a first point hierarchy;
11	
12	move the first cursor within the virtual world based on the first set of data;
13	
14	modify a virtual three-dimensional work piece based on the motion of the first
15	cursor within the virtual world;
16	
17	update a database to reflect the changes to the virtual three-dimensional work
18	piece; and
19	
20	cause the database to be rendered into one or more images from one or more
21	different viewpoints; [and]
22	
23	cause the one or more images to be displayed on the one or more display devices;
24	and
25	construct virtual objects within the virtual world using a second point hierarchy
26	and a data flow network for controlling the motion of nodes of the virtual
27	objects by:
28	attaching each virtual object node hierarchically with at least one other
29	virtual object node to form the second point hierarchy, wherein each of the
30	virtual object nodes has a position and an orientation, and
31	building the data flow network as an interconnection of input units,
32	function units, and output units, wherein said input units receive data from
33	sensors and output the received data to at least one of said function units,
34	wherein each of said function units includes at least one input and at least one
35	output, each function unit generating a value for the at least one output based
36	on at least one of data received from at least one of the input units and data



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received from an output of at least one other of said function units, and